## Functions

- 100 wireless and 8 wire defense zones.
- At most 8 wireless remote control codes.
- Blue backlighting graphic display for clear information.
- 6 groups of voice alarm phones (mobile phone), and 2 groups of phones in alarm receipt center.
- Built-in perpetual calendar and clock; automatic logging of alarm cases by time sequence.
- Message recording playback: human recording, synchronous playback for recording effect in audition.
- More defense modes: remote defense, keypad defense, and non-local remote defense by telephone; stay-in defense, timing defense, and individual defense in zones.
- Programming of defense zone type: all zones could be programmed via keypad for immediate, delayed, 24-hour and bypass alarm modes.
- Alarm Position Programming: Intelligent automatic speech recognition: SOS alarm, fire alarm, gas leak, magnetic contact alarm, hall alarm, window alarm, balcony alarm, and perimeter alarm
- Timing defense and withdrawal: console features automatic timing defense and withdrawal.
- Intelligent Music Alarm: full voice prompt. During defense at home, console music and voice alarm, external siren mute; during defense in the absence, console voice alarm, loud external siren alarm.
- Password Recovery: Whether the console is in defense or withdrawal, the lost password can be recovered.
- Intelligent learning code: intelligent learning code, newly added with detector which is prompt and efficient, and convenient and simple.
- Console status memory: automatic console memory for defense and withdrawal, which could enable the console to automatically recover defense or withdrawal before power cut after the reset upon power cut or shut down.
- Event Log Query: console automatically records 45 pieces of all information concerning defense, withdrawal and alarm events.
- Line priority alarm: the console will cut the busy call and switch to priority alarm in case of the alarm during ongoing call, no matter incoming or outgoing call.
- Phone disconnection detection: automatic detection and alarm warning in line disconnection, for anti-sabotage of telephone lines.
- Remote control: through remote phone (cell phone) dial-up, many operations could be realized, like defense, withdrawal and on-site monitoring by the console in the remote control form.
- Console is equipped with battery box, with optional AAA NI-HM rechargeable battery. Console meets 3C safety standards and national standard GB12663-2001
- Compatible with internationally accepted protocol of alarm receipt center: Ademco Contact ID alarm communication protocol.

## Technical parameters

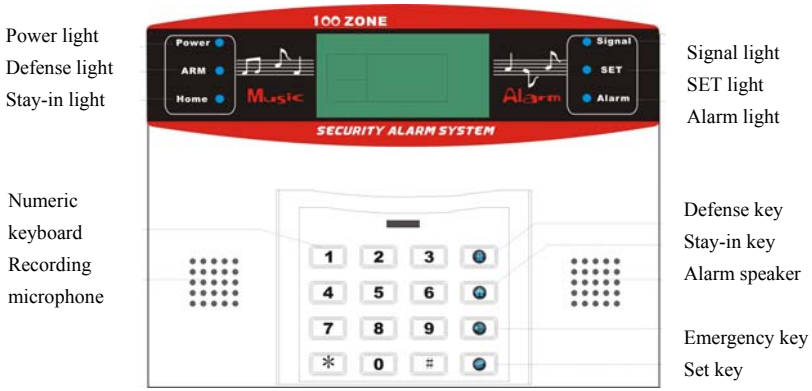
- Input Voltage: DC12V 500mA
- Standby Current: 50mA
- Alarm Current: 450mA max
- Output current: DC12V 150mA
- Wireless Frequency: 433 MHz
- Coding Method: 2262 IC / 4.7MΩ
- Alarm noise: 110dB
- Back-up Battery: AAA 7.2V
- Environment Temperature: -20℃ ～ +55℃
- Relative Humidity: 40% ～ 80%

## Installation and debugging

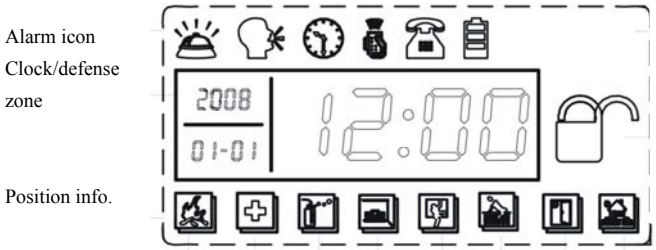
## ■ Console Installation

The console shall be installed in the centre of the prevent site which could realize best receiving effect from all wireless detectors. Please note that keep the console away from large-sized metallic objects and home appliances producing high-frequency interference, and avoid steel-reinforced concrete and fire-proof doors.

**Control panel:**

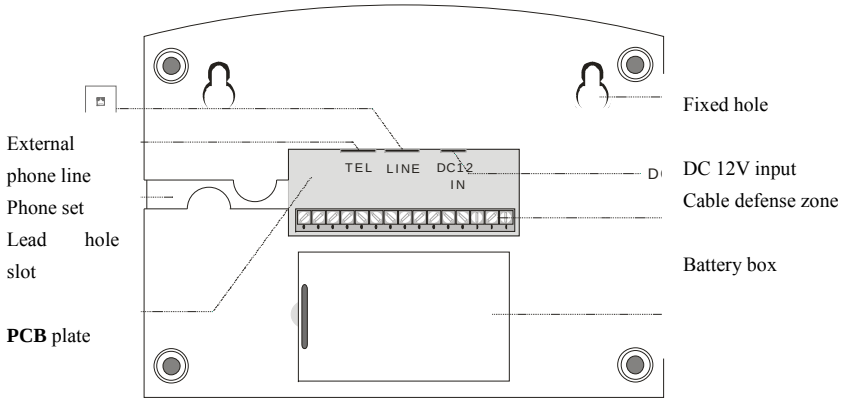



**Display:**




Fire alarm SOS alarm Gas leak Hall alarm Window alarm Balcony alarm Magnetic contact alarm Perimeter alarm

**Rear installation:**




Installation:

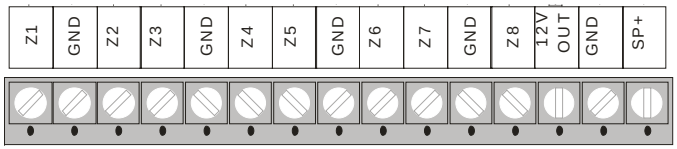
- The console is positioned for installation so that it locates in the range of detector protection of alarm system.
- Fix hold size by console rear screw, and tighten screws in installation position.
- Open console battery cover, put dedicated rechargeable battery pack into the box, align power cable pin and finally cover battery box.
- Line connection: LINE is connected with the incoming telephone; TEL is connected with telephone set. ***Please note that Do not connect the line improperly, otherwise no outgoing alarm calls are available.***
- Loud alarm connection: the console alarm output (SP +) is connected with loud alarm positive (white line); the negative (black line) is connected with the console grounding (GND). ***Please note that Do not connect positive and negative improperly, otherwise the alarm does not sound and will be damaged.***
- Installation method for cable detector: please follow cable zone connection instructions in the next.
- Power Access: power output head (elbow) with power adapter will be directly inserted into the power input hole (DC12V IN) on the console.
- Detailed examination will be performed to check whether all the

connections are correct, and cable access is fixed and reliable.

- All connecting lines will be included into the console's rear lead hole slot.
- Then the alarm console will be firmly installed in the fixed position, and the screws are tightened.
- Finally walk test is performed.

**Cable defense zone:**

DZ 1 Grounding DZ 2 DZ 3 Grounding DZ 4 DZ 5 Grounding DZ 6 DZ 7 Grounding DZ 8 DC12V output Grounding Alarm output (DZ = Defense zone)



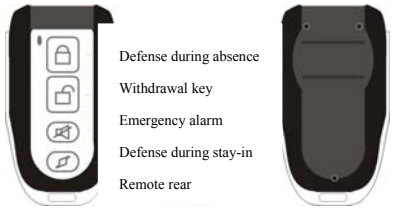

Wiring:

- Four-core signal lines will be laid in advance between the console and installation location of cable detector.
- Open the shell of cable detector, and connect four-core signal lines by colors respectively into detector terminals. Power input ***(red line for power positive while black line for negative)***, and signal output ***(white for NO / NC while blue for GND)***. Fix and install cable detector.
- Loosen the screw terminals of console cable defense zones with a screwdriver, and then connect four-core detector signal lines respectively to the defense port ***(white for Z1 while blue for GND)***, and power port ***(red for DC12V output while black for GND)***; it is tightened.
- Other detectors will be subject to the same connection, and note that the power supply is aligned to the power supply while the signal is aligned to the signal.
- The alarm system has 8 cable defense zones, respectively for 8 different types of cable detectors.
- If you access more than 8 cable detectors, detector signal lines in the adjacent position with the same type can be installed subject to series connection into one zone. Regardless of which detector is triggered, the console will alarm, but the alarm is just the same zone.



■ **Wireless remote control**

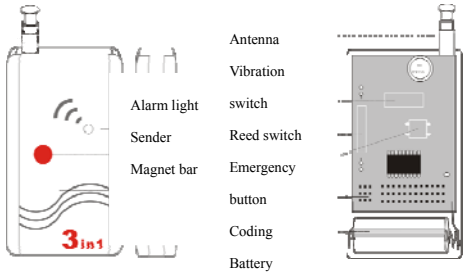
**Structure chart:**




■ **Magnetic Contact Detector Installation**

Wireless magnetic contact detector with multi-functions: emergency button, vibration detection and magnetic contact switch. It is suitable for outdoor or door and window installation, with reliable performance and no false alarm, which is most common. Once the door or window is opened, the sender is separated from magnet bar, and then wireless alarm signal will be activated and sent ***(magnetic contact alarm lights)***.

**Structure chart:**




Installation:

- First, install batteries of wireless magnetic contact detector, and then code the console.
- Choose a sturdy door or window with a clean surface.
- Trigger repeatedly wireless magnetic contact detector in the installation position to check whether the console is able to receive the signal normally; to identify the console can be sensitive to

receive the alarm prior to continuous installation. Otherwise, the position for magnetic contact detector or console shall be adjusted.

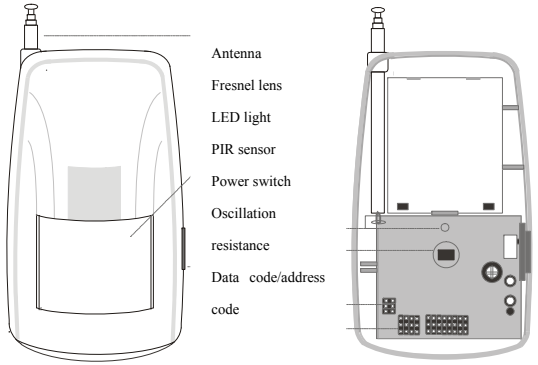
- The double-sided adhesive will respectively be stuck to the rear of sender and magnet bar.
- Fix the sender in the door (window) frame, and tighten it with screws if required.
- Fix magnet bar on the door (window) leaf, and tighten it with screws if required.
- Installation of the sender and magnet bar shall be leveled with the spacing less than 3 ~ 5mm.
- When installed in metal doors and windows, if the wireless is ineffective, it is recommended to elevate and fix the sender and magnet bar, or wireless iron magnetic contact detector is selected.

■ **Infrared installation**

**To avoid false alarms, wireless infrared detector must be installed indoors, and outdoor use is strictly prohibited.**

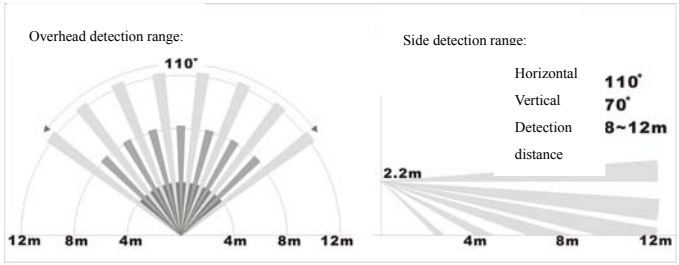
Wireless infrared detector is the most common indoor detector in alarm system. The detection range covers the space with horizontal 110 º, Vertical 70 º, and detection range of 12 meters. Infrared radiation light of mobile body will be focused and transmitted through the Fresnel lens to the sensor, and then wireless infrared detector will launch a wireless alarm signal outsides ***(alarm light on lens flashes)***.

**Structure chart:**






**Detection range:**




***Detection range of infrared detector covers the tetragonal pyramid space with horizontal 110 º, Vertical 70 º, and effective distance of 8-12 meters.***

Installation:

- Open the battery cover of wireless infrared detector, insert the battery in the correct direction and code the console. Companied carbon batteries, perhaps because of too long leaving from the factory, can only be used to test machine; during installation, it is recommended to install ***AAA alkaline batteries***, in order to guarantee long term stability of wireless infrared detector.
- Select installation location, and then fix the bracket of wireless infrared detector to installation point with screws; the installation height must be 2.20 ~ 2.50 meters.
- In this position repeatedly trigger wireless infrared detector to check whether the console is able to receive the signal; to identify the console could be sensitive and sound alarm, and then install it. Otherwise, the distance or location of wireless infrared detector or the console shall be adjusted.
- Note that the direction tangency between detection and body movement must be achieved (90 degrees from the vertical direction), with the most sensitive and best detection effect. Otherwise, the detection is ineffective.

- Overhead view of infrared detector shall be adjusted higher, with 30cm above the ground avoided in case of pet; meanwhile, attention shall be paid to avoid the mice crawling in front of infrared detector; this can prevent false alarms caused by pets.
- Repeated walk tests: to constantly adjust the detection direction and angle, and test all locations to be protected; in all three steps sensitive detection and alarm must be realized.
- Special attention shall be paid to prevent dirt or scratch from Fresnel lens.

## ■ System installation

The detector for alarm apparatus, in order to guarantee the detection results, shall provide relatively high sensitivity; Because of this, the detector, if installed properly, will easily lead to false alarm. Therefore, the installation must be subject to the following details:

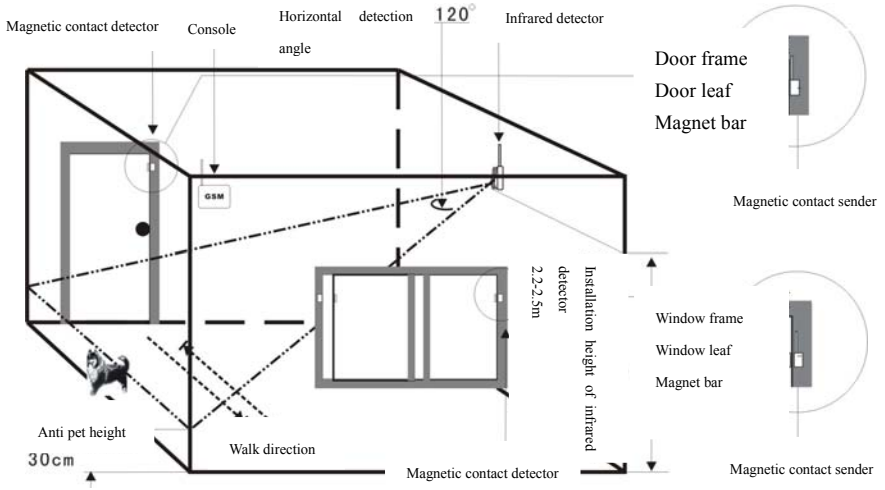
- Outdoor (balcony) defense must be subject to special detector for magnetic contact, vibration, correlation, fence or outdoor use; it is prohibited to install wireless infrared detectors outdoors.
- Doors and windows defense shall be subject to magnetic contact and vibration detectors, other than infrared detectors. Because of constraints, if infrared detector must be used to replace magnetic contact, curtain detector with direction can be selected and must be installed in the inside of doors and windows.
- Indoor defense shall be generally subject to infrared detector or curtain detector. It is recommended to, during installation, strictly follow installation method for infrared detectors.

- Wireless infrared detector must be installed in the interior hidden backlight place; it is necessary to avoid facing the doors and windows, air conditioning, heating apparatus, and ventilation etc., which due to obvious change of temperature and air flow will caused false alarms of infrared detector.



- Direct light on Fresnel lens of infrared detector will be likely to cause false alarms. Vibration source near infrared detector can also cause false alarms.
- Indoor wireless infrared detectors shall keep away from appliances with strong electromagnetic interference (such as computers, televisions, air conditioners, microwave ovens etc); otherwise, there may be false alarms.
- Indoor infrared detectors shall keep away from mice crawling to prevent false alarms caused by the mice.
- Overhead view of infrared detector shall be adjusted higher, with 30cm above the ground avoided in case of pet; this can prevent false alarms caused by pets.
- The battery of wireless infrared detector shall be regularly examined, to prevent the battery under-voltage from false alarms. ***AAA alkaline battery*** must be selected for battery replacement.

**Installation diagram:**




## ■ Walk test

After alarm system is installed, each installed accessory must be tested to fully

understand the alarm performance. If the result is not satisfactory, please adjust the device in the following ways:

- Signal emission of wireless remote control: check whether all remotes could normally operate the console; and each button of remote control can work.
- Signal emission of wireless magnetic contact detector: wireless magnetic contact detector is repeatedly triggered to ensure that in each trigger, the console can properly receive the signal and sound alarm.
- Signal emission of wireless infrared detector: wireless infrared detector is repeatedly triggered to ensure that in each trigger, the console can properly receive the signal and sound alarm.
- Detection range of wireless infrared detector: in the effective range of wireless infrared detector, select a different location in different directions, with walk test method for testing. In three steps, it must be guaranteed that wireless infrared detectors can be sensitive and sound alarm.
- Walk test would be used to constantly adjust the left and right directions and overhead view of wireless infrared detector to achieve maximum detection range, and the most sensitive detection results.
- Check front space of wireless infrared detectors and make sure there is no object (curtain) or glass wall. Otherwise, it will reduce the detection effect of the detector.
- Alarm console and all accessories must be in the range of effective warning in alarm system, and can not easily be able to destroy and shut down them.

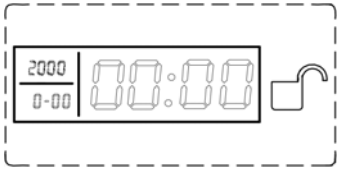
## Set Functions

■ **Preparation**

The batteries for remote control, wireless magnetic contact detector and wireless infrared detector shall be respectively installed and then corresponding parameters shall be adjusted for use (***the machine features 315MHz frequency, 2262 coding and 4.7M oscillation resistance***).

Connect the console with telephone lines, telephone, cable detector and external siren according to the console installation diagram. Electrify DC 12 V power adapter. And LCD display and all LED lights on the console are on and the speaker sounds a long beep; after 2 seconds all LED lights go off except power indicator; LCD display the withdrawal and standby status…

LCD display:




■ **Prompt tone**

During operation, the console will sound different tones, representing different operating information:

| Prompt tone | Information |
|---|---|
| One short “beep” | Valid button (0.5 second) |
| One long “beep” | Recover factory settings, correct and valid settings (1.5 seconds) |
| “beep, beep” | Withdrawal prompt tone (1 second) |
| Three short “beep” | Invalid and wrong operation and settings (0.5 second) |
| One short “beep” for one second | Absence defense or delay defense (0.5 second) |

■ **Withdrawal after startup**

If the console is electrified and in defense (LCD display locked icon, **ARM**］or ［**Home**］**lights**), alarm console must be first withdrawn: press［🔓］on the remote control to withdraw; or through the console keyboard, enter [**Password**] (original factory password: [**1234**]), and then press [#] to confirm withdrawal. Console voice prompt: the system is withdrawing.

Remote withdrawal: **Press【🔓】on the remote control.**

Console withdrawal:**【Password】⇨【#】**

- **Password recovery**

  **If the password is lost or forgotten, please use the [Recover password] command to recover password to original state.**

In defense or withdrawal, direct enter [**95175308245**] number keys through console keyboard, and finally press [**#**] key to confirm; console [**Signal**] indicator flashes once, and the speaker sound a long "beep". User password on the console is cleared, and it is recovered to the original [**1234**].

Settings:**【95175308245】⇨【#】**

- **Enter Setting**

  **Only in setting state, function settings and operations could be performed on the console.**

In withdrawal, enter four-digit [Password] with key pad and then press [ ] key to confirm; Console voice prompt: please enter command, and [**Set**] light will light up, indicting it has entered the system setting status. Console's original factory password is [**1234**].

Settings:【Password】⇨ 【 】

- **Exit Setting**

When the function is set up, or it is in the setting state ([SET] lights), press [*], [#] keys to exit setting mode, [SET] light is off, and the console returns to withdrawal state.

In the settings, all functions could be continuously set. Just press [#] in case of input error or command skipping. However, if in setting operation, the key is idle for more than 30 seconds, the console will automatically exit the settings, and return to withdrawal state.

Settings:**【*】 + 【#】**

- **Resume Factory Settings**

In Settings mode, directly enter [**95175308246**] with key pad, and then press [#] to confirm; and all LED lights on the console are on for 2 seconds and the speaker sounds a long beep. All settings on the console are cleared and resume original factory state.

Settings:**【95175308246】⇨【#】**

- **Remote coding**

  **All remote controls must be coded with the console for normal remote control of alarm console.**

In Settings, first enter the address code [20] by console keypad, then select remote number **[1]~[8]** and finally press [#] to confirm; **[Signal]** lights, LCD displays coding icon and press any key to send a wireless signal on remote control to be coded; after the console receives the signal, **[Signal]** goes off, and voice prompts: coding successfully, please enter command.

Settings:**【20】⇨【A】⇨【#】**

**A: [1]~[8] remote serial numbers; code at most 8 remote controls on the console.**

Example: code first remote control on No. 1 position

Operation:**【20】⇨【1】⇨【#】**

LCD display

- **Delete remote control**

  **Once remote control is deleted, no operation could be performed on alarm console.**

In Settings, first enter [21] by console keypad, then select remote serial number to be deleted and finally press [#] to confirm; **[Signal]** flashes once, and voice prompts: delete successfully, please enter command.

Settings:【21】⇨【A】⇨【#】

**A: [1]~[8] remote serial numbers; code at most 8 remote controls on the console.**

Example: delete No. 3 remote control from alarm console

Operation:【21】⇨【3】⇨【#】

■ **Defense coding**

**All wireless detectors must be coded with corresponding zones on the console to trigger console alarm.**

In Settings, first enter address code [23] by console keypad, then select appropriate defense zone number [01] ~ [99] and finally press [#] to confirm; the indicator of defense zone lights up, LCD displays the corresponding defense zone number, and trigger and send a wireless signal on wireless detector to be coded; after the console receives the signal, the indicator of defense zone goes off, and voice prompts: coding successfully, please enter command.

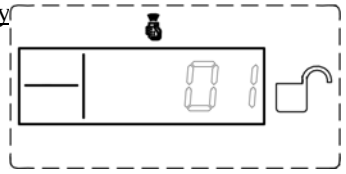
Settings:【23】⇨【XX】⇨【#】

**XX: [01]~[99] respectively corresponds defense 01 to 99.**

Example: coding of wireless magnetic contact in defense 1.

Operation:【23】⇨【01】⇨【#】

LCD display



■ **Delete defense zone**

**Once wireless detector is deleted in the zone, it never triggers the console for the alarm.**

In Settings, first enter address code [23] by console keypad, then select defense zone number [01] ~ [99] to be deleted and finally press [#] to confirm; voice prompts: delete successfully, please enter command.

Settings:【24】⇨【XX】⇨【#】



**XX: [01]~[99] respectively corresponds defense 01 to 99.**

Example: delete wireless magnetic contact in defense 1 from the console

Operation:【24】⇨【01】⇨【#】

■ **Modify password**

**Password shall be requisite key entering alarm system during settings and remote control operations by the console.**

In Settings, first enter address code [30] by console keypad, then enter new four-digit password and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【30】⇨【XXXX】⇨【#】

**XXXX: new four-digit password.**

Example: specific operation of modifying password into 1012.

Operation:【30】⇨【1012】⇨【#】

■ User code

**User code refers to ID number for each user identified online computer center for alarm.**

In Settings, first enter address code [32] by console keypad, then enter four-digit user code and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【32】⇨【XXXX】⇨【#】

**XXXXX:** four-digit user code: ID number.

Example: specific operation: user code of Mr. Smith is 0005

Operation:【32】⇨【0005】⇨【#】

■ **Date and time settings**

**Year, month, day, hour and minute must be set up in the correct way; otherwise, leap year and month will run an error!**

In Settings, first enter address code [34] by console keypad, then enter later two

digits in current year and current day of week and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【34】⇨【XX】⇨【Y】⇨【#】

**XX: later two digits in current year.**

**Y: current day of week (0 for Sunday).**

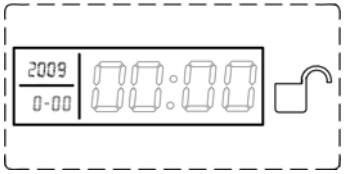
Example: year settings, October 1, 2009

Operation:【34】⇨【09】⇨【0】⇨【#】

"09": the year 2009.

"0": Sunday, October 1, 2009.

LCD display:




■ **Month and day settings**

In Settings, first enter address code [35] by console keypad, then enter current two-digit month and the day with two digits and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【35】⇨【XX】⇨【YY】⇨【#】

**XX: two-digit month; YY: two-digit day.**

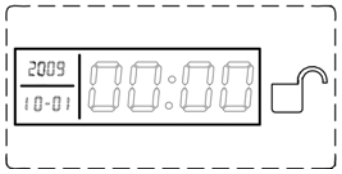
Example: day settings on October 1, 2009

Operation:【35】⇨【10】⇨【01】⇨【#】

"10": October.

"01": Day 1.

LCD display:




■ **Hour and minute settings**

In Settings, first enter address code [36] by console keypad, then enter current two-digit hour (24h) and the minute with two digits and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【36】⇨【XX】⇨【YY】⇨【#】

**XX: two-digit hour; YY: two-digit minute.**

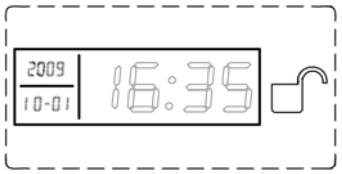
Example: time settings for current 4:35 pm

Operation:【36】⇨【16】⇨【35】⇨【#】

"16": 4 pm (16:00).

"35": 35 mins.

LCD display:




■ **Timing defense**

In Settings, first enter address code [37] by console keypad, then enter two-digit hour for automatic defense per day (24h) and minutes with two digits and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【37】⇨【XX】⇨【YY】⇨【#】

**XX: two-digit hour; YY: two-digit minute.**

Example: automatic timing defense settings at 6:55 pm per day

Operation:【37】⇨【18】⇨【55】⇨【#】

"18": 6 pm (18:00).

"55": 55 mins.

■ **Timing withdrawal**

In Settings, first enter address code [38] by console keypad, then enter two-digit hour for automatic withdrawal per day (24h) and minutes with two digits and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【38】⇨【XX】⇨【YY】⇨【#】

**XX: two-digit hour;**

**YY: two-digit minute.**

Example: automatic timing withdrawal settings at 8:30 am per day

Operation:【38】⇨【08】⇨【30】⇨【#】

"08": 8:00 am.

"30": 30mins.

■ **Timing ON and OFF**

**Timing ON: valid timing defense and withdrawal; timing OFF: invalid timing defense and withdrawal!**

In Settings, first enter address code [39] by console keypad, then select timing ON or OFF [**0/1**] and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【39】⇨【0/1】⇨【#】

"1": Enable timing defense and withdrawal (ON).

"0": Disable timing defense and withdrawal.

■ **Alarm phone number**

In Settings, first enter address code [51] -[56] by console keypad, then enter desirable alarm phone number (mobile) and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【XX】⇨【**YY…YY**】⇨【#】

**XX: [51]～[56] for address codes from 1-6 alarm phone numbers.**

YY…YY: set phone (mobile) number.

Example: set 13811111111 as first alarm phone number

Operation:【51】⇨【**13811111111**】⇨【#】

■ **Delete phone number**

In Settings, first enter address code [51] -[56] by console keypad, and then directly press [#] to delete phone number; voice prompts: delete successfully, please enter command. In console alarm, such number will be no longer dialed.

Settings:【XX】⇨【#】



**XX: [51]～[56] for address codes from 1-6 alarm phone numbers.**

Example: delete third alarm number from the console

Operation:【53】⇨【#】

■ **Extension**

If the console is connected to the telephone line extension through the telephone exchange; in phone number settings, external outgoing line number would be required ***(external outgoing line number: refers to additional figure, generally 0 or 9 in exchange, selected for external outgoing dialing through telephone extension)***.

In Settings, first enter address code [51] -[56] by console keypad, enter external outgoing line number and [*****], then enter phone (mobile) number and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【XX】⇨【**A**】⇨【*****】⇨【YY…YY】⇨【#】

**A:** external outgoing line number of phone exchange extension.

**YY…YY:** phone number, without digit limit, even applicable to long distance.

Example: on extension, dial up another "9" in external outgoing calls with alarm phone number of 88111111

Operation:【51】⇨【**9**】⇨【*****】⇨【88111111】⇨【#】

■ **Center phone number**

**For online console alarm, it is necessary to set the telephone number of computer alarm receipt center to upload data communications.**

In Settings, first enter address code [57] -[58] by console keypad, enter telephone number of computer alarm receipt center and finally press [#] to confirm; voice prompts: set successfully, please enter command.

Settings:【XX】⇨【**YY…YY**】⇨【#】

**XX:** address code [57] or [58] for first or second telephone number of computer alarm receipt center.

YY…YY: telephone number of computer alarm receipt center.

Example: set 88000000 as telephone number of first computer alarm receipt center

Operation:【57】⇨【**88000000**】⇨【**#**】

■ **Delete alarm center number**

In Settings, first enter address code [57] -[58] by console keypad, and directly press [#] to confirm; telephone number of alarm receipt center is deleted from the console. Voice prompts: delete successfully, please enter command.

Settings:【XX】⇨【**#**】

Example: delete telephone numbers of first and second computer alarm receipt centers;

Operation:【57】⇨【**#**】

【58】⇨【**#**】

■ **Defense zone type**

In Settings, first enter address code [60] by console keypad, select corresponding defense zone number [01] - [99], enter defense zone type **[1~4]** and alarm type of defense zone **[1~8]**, select whether to enable/disable alarm **[0/1]** in defense alarm and finally press [#] to confirm; voice prompts: set successfully, please enter command. Factory settings: immediate defense zone **[1]**, SOS alarm **[1]** and alarm enabling **[1]**.

Settings:【60】⇨【**XX**】⇨【A】⇨【B】⇨【**C**】⇨【**#**】

**XX for defense zone number: [01]~[99] corresponds to defense 01 to 99.**

A for defense zone type: **[1]immediate defense zone,** [2] **defense delay 40 seconds,** [3] **24h defense zone,** [4] **bypass defense zone.**

B for alarm type: **[1] SOS alarm,** [2] **Fire alarm,** [3] **Gas leak,** [4] **Magnetic contact alarm,**[5]**Hall alarm,**[6]**window alarm**, [7] **balcony alarm,** [8] **perimeter alarm.**

C for alarm switch: **[0] for OFF while [1] for ON.**

Example: set 10 defense zones as 24h, fire alarm, and sound alarm

Operation:【60】⇨【**10**】⇨【3】⇨【2】⇨【1】⇨【**#**】



■ **Stay-in defense zone**

**Home (stay-in) defense: some defense zones of the alarm are valid while others are invalid.**

In Settings, first enter address code [61] by console keypad, select corresponding defense zone number [01] - [99], and whether to choose alarm **[0/1]** in **[stay-in defense]** and finally press [#] to confirm; voice prompts: set successfully, please enter command. Factory settings: **[0]:** no alarm for home (stay-in) defense zone.

Settings:【61】⇨【XX】⇨【A】⇨【**#**】

XX: **[01]~[99] corresponds to defense 01 to 99.**

A: [**0] for no alarm during stay-in defense while [1] for alarm during stay-in defense.**

Example: set 10 defense zones as home (stay-in) defense alarm.

Operation:【61】⇨【10】⇨【1】⇨【**#**】

Example: modify 55 defense zones as no alarm of home (stay-in) defense.

Operation:【61】⇨【10】⇨【0】⇨【**#**】

■ **Human Recording**

In Settings, first enter address code [70] by console keypad, select human recording **[1]** and finally press [#] to confirm; [Recoding] icon flashes, and the recording starts; 30cm to the console, with moderate tone, recording user information by standard mandarin; after 10 seconds, “beep” sounds.

Settings:【70】⇨【**1**】⇨【**#**】

■ **Recording playback**

In Settings, first enter address code [70] by console keypad, select recording playback **[2]** and finally press [#] to confirm; console speaker will immediately play last recording information; after 10 seconds, “beep” sounds.

Settings:【70】⇨【**2**】⇨【**#**】

■ **Remote control**

In Settings, first enter address code [71] by console keypad, select whether to

enable/disable **[0/1]** for remote control and press [#] to confirm; voice prompts: set successfully, please enter command. Factory settings: **[0]:** disabled remote control.

Settings:【71】⇨【**0/1**】⇨【**#**】

"1": enable remote control.

"0": disable remote control.

■ **Ringing number**

In Settings, first enter address code [72] by console keypad, select ringing number **[1] - [9]** in pickup of alarm console and press [#] to confirm; voice prompts: set successfully, please enter command. Factory settings: **[2]: two ringing pickup.**

Settings:【72】⇨【**A**】⇨【**#**】

A: ringing number 1-9 for incoming call.

Example: set tone 8 as ringing number.

Operation:【72】⇨【**8**】⇨【**#**】

■ **Online enabling**

**This enables/disables online communication to identify whether to connect online communication with computer alarm receipt.**

In Settings, first enter address code [73] by console keypad, select Enable/Disable **[0/1]** between the console and online computer alarm receipt and press [#] to confirm; voice prompts: set successfully, please enter command. Factory settings: **[0]: disable online computer communication.**

Settings:【73】⇨【**0/1**】⇨【**#**】

"1": enable online computer communication.

"0": disable online computer communication.

■ **Operation reporting**

**For security, whether to report computer center from the console with respect of defense/withdrawal.**

In Settings, first enter address code [74] by console keypad, select **[0/1]** to check whether to report to computer alarm receipt with respect of defense/withdrawal and press [#] to confirm; voice prompts: set successfully, please enter command. Factory settings: **[0]: not report to the center.**

Settings:【74】⇨【**0/1**】⇨【**#**】

"1": report defense/withdrawal to online computer center.

"0": not report defense/withdrawal to online computer center.

■ **Alarm warning**

**Conduct defense/withdrawal operations to the console; whether to sound prompt from external alarm; enable or disable.**

In Settings, first enter address code [75] by console keypad, select **[0/1]** to check whether to enable or disable external alarm prompt in defense and withdrawal and press [#] to confirm; voice prompts: set successfully, please enter command. Factory settings: **[0]: disable alarm prompt.**

Settings:【75】⇨【**0/1**】⇨【**#**】

"1": enable alarm prompt in defense and withdrawal.

"0": disable alarm prompt in defense and withdrawal.

■ **Disconnection detection**

In Settings, first enter address code [78] by console keypad, select **[0/1]** to check whether to enable or disable disconnection alarm and press [#] to confirm; voice prompts: set successfully, please enter command. If user alarm console is not connected with phone line, please set this function as **[0]** with no alarm detection due to line disconnection. Factory settings: **[0]: no detection due to phone disconnection.**

Operation:【78】⇨【**0/1**】⇨【**#**】

"1": enable disconnection detection and sound alarm.

"0": disable disconnection detection and sound no alarm.

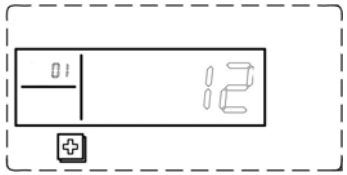
■ **Information inquiry**

In Withdrawal, directly enter **[*], [0] and [#]** by console keypad in the information inquiry. And press **[*] and [#]** to page up/down to review all alarm logs

(at most 45 pieces of information), and finally press **[Password] + [#]** to exit information inquiry.

Keypad operation:【*】⇨【0】⇨【#】

LCD display:




Screen I:

"01": serial number of alarm log

"12": Alarm defense zone, SOS alarm

Screen II:

Alarm time: October 1, 2009 8:35 pm

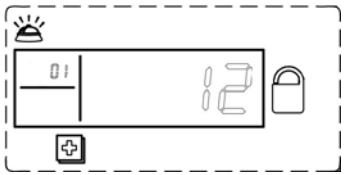
Defense display:

Defense status.

Withdrawal display:

Withdrawal status.

Alarm display:




Alarm status.

Exit information inquiry:【Password】 + 【#】



# Operating Instructions

■ **Defense during absence**

Defense during absence means that full round detection monitoring shall be set on site when no one is at home; all detectors are in working conditions; in case alarm source triggers the detector (thief inbreak, fire, gas leak etc.), the alarm system sounds. After the defense, [**ARM**] lights up.

Keypad operation: **press【 】, with console defense delayed for 100 seconds.**

**Remote operation: press remote control【 】for defense.**

■ Defense during Stay-in

Defense during stay-in refers to: it is necessary to enable the operations of door, window, balcony and perimeter detectors outside of alarm system for the sake of safety in case one is at home, without false alarm triggered by indoor detector; stay-in defense is selected: some detectors work while others do not work. After the defense, [**Home**] lights up.

Keypad operation: press【 】**with immediate defense during stay-in for the console.**

Remote operation: press remote control【 】.

■ Individual defense

Console's random combination of 100 defense zones could be used for defense through individual defense function. First press [#] on console keypad and clear the keypad. Press **[01~99]** in defense zone and press [ ]. The buzzer sounds "beep", and meanwhile defense zone light is on for one second indicating successful individual defense. Repeat the said operations for the defense in other zones.

Keypad operation: 【01～99】 + 【 】

■ **Withdraw operation**

Withdrawal refers to that the alarm is stopped during console alarm; or the alarm console is enabled in non-warning status. In detector triggering after withdrawal, the

alarm console sounds no alarm (except for 24h defense and emergency alarm button). After withdrawal, **[AEM]** and **[Home]** go off.

Remote operation: press remote control【 】.

Keypad operation:【**Password**】 + 【#】

■ **Telephone alarm receipt**

Alarm console in defense status, once the alarm signal is received, will immediately enable and sound the alarm; meanwhile all pre-set phone (mobile) numbers will be automatically dialed for alarm. The console will automatically dial up next phone group in case of no answering of dialed phone number, and then all preset phone numbers will be dialed in repeated form for three times respectively. If alarm phone is answered, alarm information is heard from telephone receiver, such as "Alarm for the balcony in 5th defense zone, and this is …". And the keypad of phone (mobile) is pressed to perform remote control of the console.

Press【1】: **Stop console alarm and perform defense; console no longer dials up next phone number.**

Press【2】: **Stop console alarm and perform withdrawal; console no longer dials up next phone number.**

Press【3】: **console disables alarm and monitors 30 seconds on site, with delayed monitoring and then【3】is pressed continuously.**

After alarm phone is answered, press only [3] to monitor and hang up, other than [1] and [2].

The console will no longer dial up such phone number, but will continuously dial up other preset alarm phone numbers.

■ **Remote control**

The telephone (mobile) is connected to alarm console number, and after ringing times, the telephone receiver prompts computer-generated voice: "Please enter password". The password is entered via telephone (mobile). The console will in case of wrong password give prompt: "wrong password, please enter password again". In case of correct password, the telephone receiver prompts "press □ for defense, press □ for withdrawal and press □ for monitoring". And after it is accessed, phone button could be used for remote control.

Press【1】: **the console enters defense and voice prompts "System defense".**

Press【2】: **the console enters withdrawal and voice prompts "System withdrawal"**.

Press【3】: **the console enters monitoring status for 30 seconds and press【3】for 30 seconds delay repeatedly in case of continuous monitoring.**

■ **SOS**

Some special cases occur in the family: sudden illness for the elderly or children results in first aid; in case of sudden fire, help is needed; in case of housebreaking, the alarm is required; in emergency alarm, the time is not enough time or the words are not ambiguous because of tension. Console alarm button, static alarm key of remote control or emergency button alarm will be only pressed. Alarm system will immediately sound loudly and automatically call the police.

Remote operation: press remote control【 】.

Keypad operation: press console keypad【 】button.

## Maintenance and Care

■ **System detection**

Although the alarm system is used everyday, it still needs regular care and maintenance and detection to ensure that the alarm system will be stable, reliable and safe. Normally the console needs a thorough inspection every 3 months and the detectors need to be checked once a month, at least once every 3 months in case of no conditions.

Console detection:

1 Whether the console normally performs defense or withdrawal.

2 Whether the console normally dials up the telephone numbers.

3 Whether the detector signal is received or backup battery works.

Sensor detection:

1 Manually trigger the detector to check whether it sounds normal alarm.

2 Check batteries of all detectors to make sure whether it is under-voltage.

3 Check whether wireless detector is communicated with the console during emission testing.

■ **Notices**

Alarm equipment, for explosion-proof design, shall not directly be used in hazardous location with Grade I, II and III (flammable and explosive places), otherwise it is very dangerous.

Do not dismantle, repair and modify products privately, or accidents and failures may be caused.

Do not drop the product on the ground or hard objects to avoid strong impact for failure and damage.

Without permit and consent from relevant department, do not directly set "110", "119" or alarm phone number of police station as alarm phone number of the console.